ANARTS News Bulletin 956 27 APRIL 1997

This is the Australian National Amateur Radio Teleprinter Society with our weekly Rtty broadcast. We transmit on the following frequencies and times :

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  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY
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A.N.A.R.T.S. News Bulletin 956 27 APRIL 1997

COLS COLUMN

I HOPE YOU ARE ALL ENJOYING THIS ANZAC WEEKEND...
CONTINUING THIS WEEK WITH THE EARLY COMMUNICATIONS SERIES, AND IN PARTICULAR THE WORK OF MICHAEL FARADAY THAT ENABLED THE TELEGRAPH TO DEVELOP.

FARADAY (1791-1867) WAS AN ENGLISH CHEMIST AND PHYSICAL CHEMIST. HE DISCOVERED INDEPENDENT OF JOSEPH HENRY, ELECTROMAGNETIC INDUCTION. HE ALSO DISCOVERED THE LAWS OF ELECTROLYSIS AND THE RELATIONSHIP BETWEEN LIGHT AND MAGNETISM. HE ALSO SPENT A GREAT DEAL OF TIME ON CAPACITANCE AND DISCOVERED THE IMPORTANCE OF THE DIELECTRIC CONSTANT.

HE CALLED THIS 'SPECIFIC INDUCTIVE CAPACITY'. HE STARTED HIS CAREER AS AN ASSISTANT TO SIR HUMPHREY DAVY.

FARADAY'S TELEGRAPH WORK CONSISTED IN THE MAIN OF INVESTIGATING THE PROBLEMS INVLOVED IN SIGNALLING THROUGH UNDERGROUND AND SUBMARINE CABLES. THERE IS NO EVIDENCE OF HIS CONTRIBUTING DIRECTLY TO THE EARLY TELEGRAPH. THIS IS SURPRISING SINCE AT THE TIME OF FARADAY'S WORK, THE TELEGRAPH WAS THE ONLY PRACTICAL ELECTRICAL APPLICATION. PROBABLY HE WAS WHAT IS NOW CALLED A SCIENTIFIC RESEARCH WORKER. HIS EXPERIMENTS WITH ELECTROMAGETISM HOWEVER, ENABLED A GREAT LEAP FORWARD, ADVANCING THE WORK OF EARLIER TELEGRAPH CONSTRUCTORS MORE THAN ANYONE. AS WITH HENRY'S CASE A LOT OF FARADAY'S WORK FOUND APPLICATIONS TO TELEGRAPHY AND TELEPHONY A LONG TIME AFTER HIS ORIGINAL EXPERIMENTS.

FARADAYS WORK ON ELECTROMAGNETISM CLOSELY PARALLED THAT OF HENRY. UNLIKE HENRY HOWEVER HE KEPT A DAY BY DAY RECORD OF HIS WORK. HIS DIARIES SHOW A COMPLETE RECORD OF THE DATES WHEN AN IMPORTANT DISCOVERY WAS MADE. THE EXPERIMENT WITH THE WIDEST APPLICATION TO THE TELEGRAPH AND TELEPHONE, AND YES EVEN THE RADIO, WAS HIS FAMOUS DEMONSTRATION ON THE 29TH AUGUST 1831, OF INDUCTION BETWEEN TWO COILS OF WIRES WOUND ON AN IRON RING. THERE IS EVIDENCE SUGGESTING FARADAY WORKED ON THIS EXPERIMENT AS EARLY AS 1821.

THATS ALL FOR THIS WEEK, NEXT WEEK FARADAYS INDUCTION EXPERIMENT WILL BE DESCRIBED.

73S FOR NOW DE COL VK2CTD.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT
(18 APRIL - 24 APRIL)
ISSUED ON 25 APRIL 1997

SUMMARY

Date	18	19	20	21	22	23	24
10cm	70	70	70	70	71	69	70
A	14	13	6	15	17	11 (14 ESTIMATED)	
T	22	11	10	9	-6	-4	9

SOLAR ACTIVITY WAS VERY LOW ALL WEEK.

GEOMAGNETIC ACTIVITY AT LEARMONTH W.A. WAS QUIET 20TH AND 23RD; QUIET TO ACTIVE ON 18TH AND 19TH; QUIET TO MINOR STORM 21ST AND 22ND; ACTIVE EARLY, THEN QUIET TO UNSETTLED ON 24TH. FIGURES AVAILABLE FOR DAYLIGHT HOURS ONLY ON 23RD OWING TO SITE POWER SUPPLY WORK DURING NIGHT HOURS.
FREQUENCIES WERE MOSTLY NEAR PREDICTED MONTHLY VALUES, WITH SOME ENHANCEMENT TO 20 PER CENT ON 18TH. THERE WERE SOME DEPRESSED PERIODS ON 22ND (TO 25 PER CENT); AND 23RD (TO 15 PER CENT). SPREAD F WAS NOTED DURING LOCAL NIGHT ON 21ST, AND 23RD TO 24TH.

FORECAST (25 APRIL - 01 MAY)

SOLAR: VERY LOW

GEOMAGNETIC: UNSETTLED 25-26 APRIL; QUIET 27 APRIL ;
UNSETTLED 28 APRIL - 1 MAY, ACTIVE PERIODS
POSSIBLE DURING LOCAL NIGHT HOURS.

FREQUENCIES: NEAR PREDICTED MONTHLY VALUES. GOOD HF
CONDITIONS EXPECTED 27 APRIL. HIGH LATITUDE HF
COMMS MAY BE DEGRADED DURING LOCAL NIGHT HOURS,
25-26 APRIL AND 28 APRIL 1 MAY.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0418 RTTY DX
VK2SG RTTY DX NOTES FOR THE WEEK ENDING 18 APRIL 1997

Our information this week comes from DJ3IW and the Central Europe DX Cluster DB0SPC, I5FLN, WB2CJL, W2JGR, OH2BUA Webcluster, K2YG, W5KSI and the KE5GA DX Packetcluster in New Orleans

Bandpass:
Friday 11
1222-14084 EK6OCM
1259-14083 4Z4DX
1308-14088 RA3GEO
1335-14084 4X4UO

1445-14084 4L5A
1922-14084 EA9JZ
2024-14085 9Q5PA
2122-14081 HP1XBH
2155-14083 P4/KB5DZP

SATURDAY 12
0714-14080 UA4ARG
1120-14087 JH3LIB
1220-14083 4Z4DX
1317-14084 4X6UO
1357-14081 EI6HV
1407-14086 UR4UXX
1429-14068 FP5CJ PACTOR
1450-14084 HK0DPA
1457-14088 YL2VW
1501-14081 EI5IF
1510-14086 4X6UO
1525-14087 VU2OXX
1631-14084 9Q5PA
1635-14089 EA9AR
1643-14081 UR5EDU
1701-14080 YL2DX
1719-14081 9H3XI
1806-14082 4S7BRG
1815-14086 9Q5PA
1819-14080 TA2IO
1853-14084 EA9JZ
2017-14084 FK8GM
2028-14087 V21FC
2119-14082 9Q5PA
2127-14083 VK2LM LP
2302-14088 P4/KB5DZP

SUNDAY 13
0754-14083 4S7BRG
0821-14078 UA0FC
0847-14082 UK8OAF
1152-14085 IS0DVM
1228-14086 OY4TN
1321-14080 RA3BT
1321-14085 UN5PR
1338-14081 HB9CAL
1359-14083 HL2KV
1409-14086 IS0IGV
1532-14086 UT7FP
1541-14082 ZA1MH
1546-14082 Z32KV
1553-14084 RA3BT
1723-14084 4S7BRG
1918-14083 4Z4DX
1924-14081 CX8DX
2005-14088 P4/KB5DZP
2030-14080 OD5NJ
2216-14081 OA4CN
2316-14088 JA3DLE/1

MONDAY 14
0004-14082 XE3WAO
0011-14084 UA0SMF
0637-14083 UK8OAF
0941-14082 VE8RCS
1125-14082 UA9TK

1204-14085 GI4WXA
1305-14086 RK3DXW
1554-14083 4S7BRG
1612-14086 4L5A
1706-14083 9H3XI
1719-18103 S79MAD SEE NOTES:
1832-14081 5B4AFQ
1829-14083 HF0POL
1848-14085 9H3XI
1915-14079 OY4TN
2018-14082 EM1HO   ANTARTICA
2139-14084 VK2KM   LP
2153-14082 EA3DND

TUESDAY 15
0414-14090 WH6CTC
1300-14081 UN5PR
1502-14085 4S7BRG
1530-14083 IS0QDV
1557-14080 Z37CEF
1619-14088 9H3XI
1646-14082 ZS6Y
2134-14086 VK2KM LP

WEDNESDAY 16
0018-14080 EM1HO
0242-14083 UA0QBR
0609-14082 VK4CZ
1243-14084 RA3BT
1404-14082 TK/F6FGY
1853-14082 HS0/F9LC
1859-14083 EM1KA   ANTARTICA
1900-14085 VU3BGS
2015-14084 CN8BG
2050-14080 EM1HO

THURSDAY 17
0405-7083 EM1HO
1741-14082 9G1UW
1807-14076 WH6CTC PACTOR
2135-14081 PY4OY
2319-14081 P4/KB5DZP
2320-14086 EM1HO
2328-14085 EM1KA   VIA JA2JPA

Notes of Interest:
Union of Radioficionados Espanoles (URE) in Spain has organized a dxpedition to Annobon Island with the call 3C0DX from May 20 to 27. QSL via EA4URE. The published information indicated ssb,cw and RTTY. The group has a web page http://www.ure.es/3C0DX.html Mateo (TEO), EA6BH, an experienced RTTY op is a member of the group.

Jean Jacques (ex-J28JJ) is reported active on RTTY on Saturdays from the club station A71A

Peter, DL5FF/OH0JWL and Hade DJ2PJ/OH0JWH will be active from Aland Island the last week of April into May and will participate in the Volta RTTY DX Contest

5H3HG (Harol) says he active on RTTY and to be on the look-out for him.

HA7VK (EX: XU7VK), Sanyi, starts as YI9VK on May 12 from Iraq and will be there a couple months including RTTY

Mario, 4S7BRG, told K2YG he will try to be active expecially on the weekends. This weeks RTTY NOTES indicates he is active mostly weekends until May 30. His home call is HB9BRM

S79MAD, Paddy, is back after a holiday back home in GW-land. After overcoming some Murphy related problems he is back on the air for the next 4 months before heading home. He indicated to me he would be active expecially on the WARC bands, including RTTY. He was active a bit this last week on 18.103 RTTY. If you are interested in WARC RTTY action please e-mail him at aresy at seychelles.net. This last week we tried 30 meter RTTY at 0300z (sunrise in S79) with no propagation.

For next weeks bulletin send your bandpass and notes of interest to Luciano at i5fln at zs5s.zaf.af or i5fln at iot.it

73's and Good DX de Randy wx5l wx5l at I-10.net

ARLD018 DX news

This week's bulletin was made possible with info provided by Tedd, KB8NW, the OPDX bulletin, The 599Rpt, 425DXnews, DXNS, DXNL and Contest Corral from QST. Thanks to all.

SCARBOROUGH REEF, BS7. It is reported that the 1997 BS7H DXpedition to Huang Yan Dao, Scarborough Reef, will start on April 28.

EASTERN MALAYSIA, 9M6-8. Michael, DF8AN, is QRV as 9M8/DF8AN, and can be found using CW on 20 meters. His length of stay unknown. QSL to home call.

RWANDA, 9X. Mark, ON4WW, is QRV as 9X4WW. QSL via ON5NT.

ANGOLA, D2. Pete, OH3MEP, is QRV as D2M on CW. QSL via OH3LQK.

JUAN DE NOVA ISLAND, FR. FR5DJ/J and FR5KH/J will be active on all bands, using CW and SSB until May 15. QSL via F6FNU.

SOLOMON ISLANDS, H4. DL2GAC will be QRV as H44MS, probably from Renell Island, IOTA OC 127. QSL to home call.

GIBRALTAR, ZB. G3RFX will be active as ZB2FX until May 6. His operations will include activity on 160 meters and RS-12. QSL to home call.

SAINT HELENA, ZD7. Johnny, ZD7WRG, is QRV on 6 meters with a magnetic loop. He has been able to hear the V51 beacon and some South American stations. QSL via WA2JUN.

The Ohio/Penn Dx PacketCluster

DX Bulletin No. 301 - EXCERPTS

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, W3UR The Daily DX, WB2YQH DXReport, N4GN, W5IJU & Island/DX News, K7JJ, W9UI, CT1EE, 9K2HN, DJ5AV DX News Letter, F6AJA, G4BUE DX News Sheet, HA0HW, JA1ELY, JH1NBN and LZ4BU for the following DX information.

8R, GUYANA. Yuki, JH1NBN, will be active as 8R1ZB from April 25-29th. Activity will be on CW, SSB and RTTY with operations on 14-10 meters. QSL via JH1NBN.

A5, BHUTAN (Keep Your Fingers Crossed On This One!). The DX News Sheet reports Charlie, K4VUD, will try to be active in July while visiting Nepal (9N).

BV, TAIWAN. The DXReport states Johannes, DL5AUJ, will visit his friend Hans, BV3/DL4AMJ, in Taiwan from May 5-13. He will be active as BV3/DL5AUJ on all bands. He will also take part in the CQ Mir DX Contest May 10-11th, as BV0THU along with members of the University Hsin-Chu. QSL via DL5AUJ.

C6, CROOKED ISLANDS (Bahamas). Look for C6AJR to be active May 30th to June 2nd. The Crooked Island has an IOTA of NA-113 and is located in the South Bahamas Group. Operations will be on 80-6 meters. QSL via Joe Pater, WB8GEX, 1894 Old Oxford Rd., Hamilton, OH 45013 U.S.A.

HB0, LIECHTENSTEIN. The DX News Letter reports that DJ9SI, DJ8KI and DL8SET will be active from Triesenberg on 80-2 meters from May 7-11th. QSL via DL8SET.

J8, ST. VINCENT. After his activity in 8R-land Yuki, JH1NBN, will be active as J83ZB from April 29th to May 4th. Activity will also be on CW, SSB and RTTY with operations on 14-10 meters. QSL via JH1NBN.

KH0, MARIANA ISLANDS. The Island/DX News reports KH0SI is active from Saipan, often between 1000 and 1200z on 14175 kHz.

ST, SUDAN. Sayed, ST2SA, has been active. Best times to work him is on Saturdays and Sundays between 2000 and 2400z on 20 meters. He does have an antenna for 10, 12, 15, 17 and 20 meters. QSL via the CBA.

YI, IRAQ. Sanyi, HA7VK (ex. XU7VK), will be active as YI9VK starting May 12th. He will be there for a couple of months and will be operational on the HF bands with 500 watts on CW, SSB and RTTY. QSL via HA0HW.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or fax to (02) 9672-3392, or by packet to VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

73s de Pat VK2JPA Broadcast Officer

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Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99